

1 We claim:

2  
3 1. A method of transferring the contents of an information channel from a source to a  
4 destination, the method comprising:

- 5 a) providing at the source a spectrum having a plurality of channels;  
6 b) selecting one of said channels, resulting in a selected channel;  
7 c) digitizing the spectrum, resulting in a digitized spectrum;  
8 d) from the digitized spectrum, isolating and translating the selected channel  
9 to baseband, resulting in a digitized channel;  
10 e) framing the digitized channel and associated attribute information,  
11 resulting in a framed channel;  
12 f) transmitting the framed channel to the destination using packet techniques  
13 over a packet network; and  
14 g) reconstructing a frequency and bandwidth accurate replica of the selected  
15 channel, resulting in a reconstructed replica of the selected channel at the  
16 destination.

17  
18 2. The method of claim 1, further wherein the framed channel is merged with other  
19 digital services during transmission over the network.

20  
21 3. The method of claim 1, further including demodulating the reconstructed replica  
22 at the destination.

23  
24 4. The method of claim 3, wherein the selected channel corresponds to a telephone  
25 service.